

High Pressure Pump STREAMLINE™ SL-V E50

Efficient, Effective High Pressure System

The new *E-Series* of Streamline™ pumps are equipped with the most popular and essential pump features for efficient production of 52,000 psi water pressure, at a very economical price.

Essential Features

Complementing the full-featured PLUS-Series, the *E-Series* of pumps include just the most essential options without compromising on performance:

Increased Production

Like the Streamline™ PLUS pumps, the *E-Series* achieves longer runs due to the large, slow-stroking plungers; the *E-Series* uses tungsten carbide plungers. The slow stroke rate and smooth surface extend seal life, which is key in any high pressure system.

Faster, Easier Maintenance

Intelligent design simplifies and speeds the access to seals and wear parts.

Fast Cutting

Continuous production of 52,000 psi enables faster cutting over lower pressure systems.

Efficient Design

The *E-Series* was designed for efficiency and economic value in a simpler package:

Controls

Controls include the dual pressure compensator (providing two pressure levels) but exclude the proportional control (variable pressure) and the remote diagnostic options.

Frame

The frame was redesigned to be less expensive, while remaining open and functional. Doors and top covers are available as options.

Topworks

The 52,000 psi pressure rating (compared to the full 60,000 psi of the PLUS-Series), allows for smaller components.

Excellent Value

The net result is a pump with excellent performance and economic value. The *E-Series* pump.



Pump is shown with optional doors.

*The **E-Series** pumps were designed as part of the complete KMT Waterjet cutting system. Other products include the Streamline™ SL-V PLUS-series pumps, cutting head valves, diamond orifices and the top-performing, industry-leading Autoline™ abrasive cutting head.*

Please call to discuss your applications or to receive more information on any high pressure component. KMT Waterjet has a network of trained and certified technicians available to provide “Cutting Edge Solutions”.



THE SYMBOL
OF QUALITY



SL-V E50	
System Information	
Nominal Power Rate	50hp (37kW)
Maximum Continuous Pressure	52,000psi (3,600 bar)
Max. Water Flow Rate @ Maximum Pressure	1.0 gpm (3.8 lpm)
Maximum Single Orifice Diameter (at full pressure)	.014" (0.35 mm)
Number of Language Options on Display	5
Control Voltage & Power Supply	24V DC; 10 Amps DC
Max. Noise Level	75 dB(A)
Ambient Operating Temperature	Minimum:40° F (5° C); Maximum:104° F (40° C)
Air Supply Volume (for Dump Valve)	1 cfm (28.3 lpm)
Air Supply Pressure (for Dump Valve)	85 psi (5.9 bar)
Length	65" (1,650mm)
Width	36" (914 mm)
Height	49.2" (1,250 mm)
Weight	2,315 lbs (1,050kg)
Cutting Water	
Minimum Inlet Cutting Water Pressure	30 psi (2 bar)
Plunger Diameter	0.875" (22,2mm)
Max. Nominal Strokes per Minute (at 52,000 psi, 3,600 bar)	52
Accumulator Volume	0.26 gal (1 L)
Hydraulic System	
Max. Hydraulic Pressure (operating at max water pressure)	2,600 psi (179 bar)
Hydraulic Reservoir Capacity	28 gal (106 L)
Cooling System	
Cooling Water Consumption @ 75°F (24°C) Water Temp.	3 gpm (11.4 lpm)
Minimum Cooling Water Pressure	30 psi (2 bar)
Options & Other Features	
Booster Pump with filter (adjustable & protected)	Optional
Wye-Delta Starter	Optional
Oil / Air-Cooler (Closed Loop Cooling System)	Optional
Dual Pressure Compensator	Included
Redundant Topworks	NA
Proportional Control	NA
Remote Online Diagnostics (via Modem)	NA
EQUALIZER Networking Kit Compatible	NA

Summary of Features

Extended Seal Life

Hydraulic power is used to achieve slower stroke rates of the high pressure plungers, extending seal life.

Extremely Fast Cutting

System continuously generates up to 52,000 psi.

Easier to Maintain

Easier access to components, seals and parts.

Excellent Value - Greater Productivity

Economical price and longer run times in one pump.

Efficiency Plus Durability

There is less wear on seals with the hydraulic system.

Authorized Representative:

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